

In the Specification:

Please amend page 1, paragraph [0001] as follows:

[0001] This application is a U.S. National Phase application of PCT/US2004/033383, filed October 8, 2004, which claims priority to U.S. Patent Application No. 10/683,875, filed October 9, 2003, and this is application is a continuation-in-part, and claims the benefit of, U.S. Patent Application No. 10/112,927, filed March 29, 2002, entitled APPARATUS AND METHOD FOR MEASURING MOLECULAR ELECTROMAGNETIC SIGNALS WITH A SQUID DEVICE AND STOCHASTIC RESONANCE TO MEASURE LOW-THRESHOLD SIGNALS (Attorney Docket No. 38547.8007.US00), International Patent Application No. PCT/US03/09544, filed March 28, 2003, entitled SYSTEM AND METHOD FOR CHARACTERIZING A SAMPLE BY LOW-FREQUENCY SPECTRA (Attorney Docket No. 38547.8005.WO00), and International Patent Application No. PCT/US03/11834, filed April 18, 2003, entitled SYSTEM AND METHOD FOR SAMPLE DETECTION BASED ON LOW-FREQUENCY SPECTRAL COMPONENTS (Attorney Docket No. 38547.8006.WO00), all incorporated herein by reference.